



US Army Corps
of Engineers
Seattle District

Public Notice of Application for Permit

Regulatory Branch

Post Office Box 3755

Seattle, Washington 98124-3755

Telephone (206) 764-3495

ATTN: Debbie Knaub, Project Manager

Public Notice Date: December 5, 2003

Expiration Date: January 5, 2004

Reference: 200301010

Name: Entiat Lodge Associated

Interested parties are hereby notified that a revised application has been received for a Department of the Army permit in accordance with Section 10 of the Rivers and Harbors Act of March 3, 1899, and Section 404 of the Clean Water Act for certain work described below and shown on the enclosed drawings. The work was previously advertised in Public Notice No. 200100764, dated March 12, 2002. The revisions, as shown on sheets 3-17, consist of eliminating the proposed bank stabilization work, reconfiguring the floats to reduce the amount of over water coverage (reduced from 4,656, square feet to 3,986 square feet), remove an existing float at the downstream basin area, eliminate the construction of a causeway to access the work area, increase the amount of fill (gravel bedding) and concrete planking proposed for the boat ramp extension (from 90 cubic yards to 126 cubic yards), add the construction of a temporary sand bag construction dewatering dam, change the decking material on the floats to a light penetrating grating material, expand the riparian/aquatic planting mitigation area, and eliminate the placement of large woody debris as mitigation.

APPLICANT - Entiat Lodge Associated
C/O WPS Inc.
Attn: Mr. Alex Osenbach
421 Third Avenue West
Seattle, Washington 98119
ATTN: Mr. Alex Osenbach
Telephone: (206) 286 2009

AGENT - Spearman Engineering, PS
Post Office Box 230
Bremerton, Washington 98337
ATTN: Mr. Jay Spearman
Telephone: (360) 377 1630

LOCATION - In the Columbia River near Orondo, Douglas County, Washington.

WORK - Place 126 cubic yards of fill to extend 2 existing boat launches/boat ramps by 40 feet; place 600 cubic yards of sand bags to construct 3 coffer dams; dredge 3 existing boat basins (16,800 cubic yards); install new marina floats (3,986 square feet) with piling.

PURPOSE - To expand and maintain existing recreational lake access and boat moorage facilities at an existing development.

MITIGATION – Install riparian and aquatic plantings. (See sheets 3, 5,7,13,14,16, and 17)

NOTE - The applicant is proposing to construct the proposal over a period of 10 years. The order of construction and timing of the project elements will be as follows:

PROJECT ELEMENT	YEAR	COMMENTS
Extend 2 exist boat launches & associated upland work	1	
Dredge Downstream basin with upland disposal	1	
Install moorage floats in Downstream basin	3	
Dredge Upstream basin with upland disposal	8	
Install moorage floats in Upstream basin	8	
Aquatic & Riparian mitigation	N/A	Phased with associated construction element
Dredge Midstream basin with upland disposal	5	

ENDANGERED SPECIES - The Endangered Species Act (ESA) of 1973, as amended, requires assessment of potential impacts to listed and proposed species. The bald eagle (*Haliaeetus leucocephalus*), threatened, the Columbia River bull trout (*Salvelinus confluentus*), threatened, the Upper Columbia River spring Chinook (*Oncorhynchus tshawytscha*), endangered and the Upper Columbia River steelhead (*Oncorhynchus mykiss*), endangered, in the state of Washington, occur in the proposed project area.

A preliminary determination indicates that the activity is likely to adversely affect the bull trout, the Chinook and the steelhead and that the activity is not likely to adversely affect the bald eagle. Formal consultation under Section 7 of the ESA has been initiated with National Marine Fisheries Service and the U.S. Fish and Wildlife Service.

ESSENTIAL FISH HABITAT - The Magnuson-Stevens Fishery Conservation and Management Act (MSA), as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the National Marine Fisheries Service (NMFS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). EFH for Pacific Salmon occurs in the project area. The proposed action would impact approximately 4.60 acres of EFH for these species.

The Corps has determined that the proposed action will adversely affect designated EFH for federally-managed fisheries in Washington waters. The Corps has initiated EFH consultation with the National Marine Fisheries Service.

CULTURAL RESOURCES - The District Engineer has reviewed the latest published version of the National Register of Historic Places, lists of properties determined eligible and other sources of information. The following is current knowledge of the presence or absence of historic properties and the effects of the undertaking upon these properties:

Known historic properties occur in the vicinity of the proposed project. However, they do not occur in the permit area. The proposed work is of such a limited nature and extent and the site has been so extensively modified by modern development that little likelihood exists for the proposed project to impinge upon an undisturbed historic property.

The District Engineer invites responses to this public notice from Federal, Native American Nations or tribal governments, State, and local agencies, historical and archeological societies, and other parties likely to have knowledge of or concerns with historic properties in the area.

PUBLIC HEARING - Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

EVALUATION - The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers (Corps) is soliciting comments from the public; Federal, Native American Nations or tribal governments, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for the work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

The evaluation of the impact of the activity on the public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act. This evaluation will include an alternatives analysis.

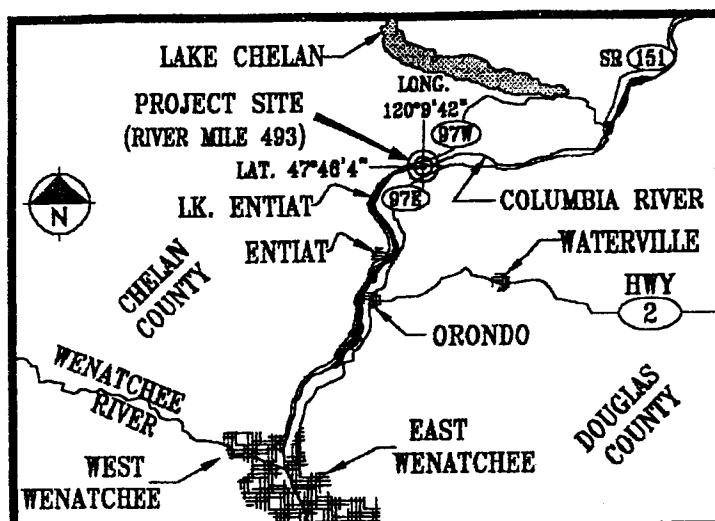
ADDITIONAL EVALUATION - The State of Washington is reviewing this for compliance with the applicable State and Federal water quality standards pursuant to Section 401 of the Clean Water Act.

This proposal is the subject of Shorelines Substantial Development Permit, being processed by Douglas County.

COMMENT AND REVIEW PERIOD - Written comments on these factors will be accepted and made part of the record and will be considered in determining whether it would be in the best public interest to grant a permit. Written comments should reach this office, Attn: Regulatory Branch, not later than the expiration date of this public notice to ensure consideration and refer to the following name and file number:

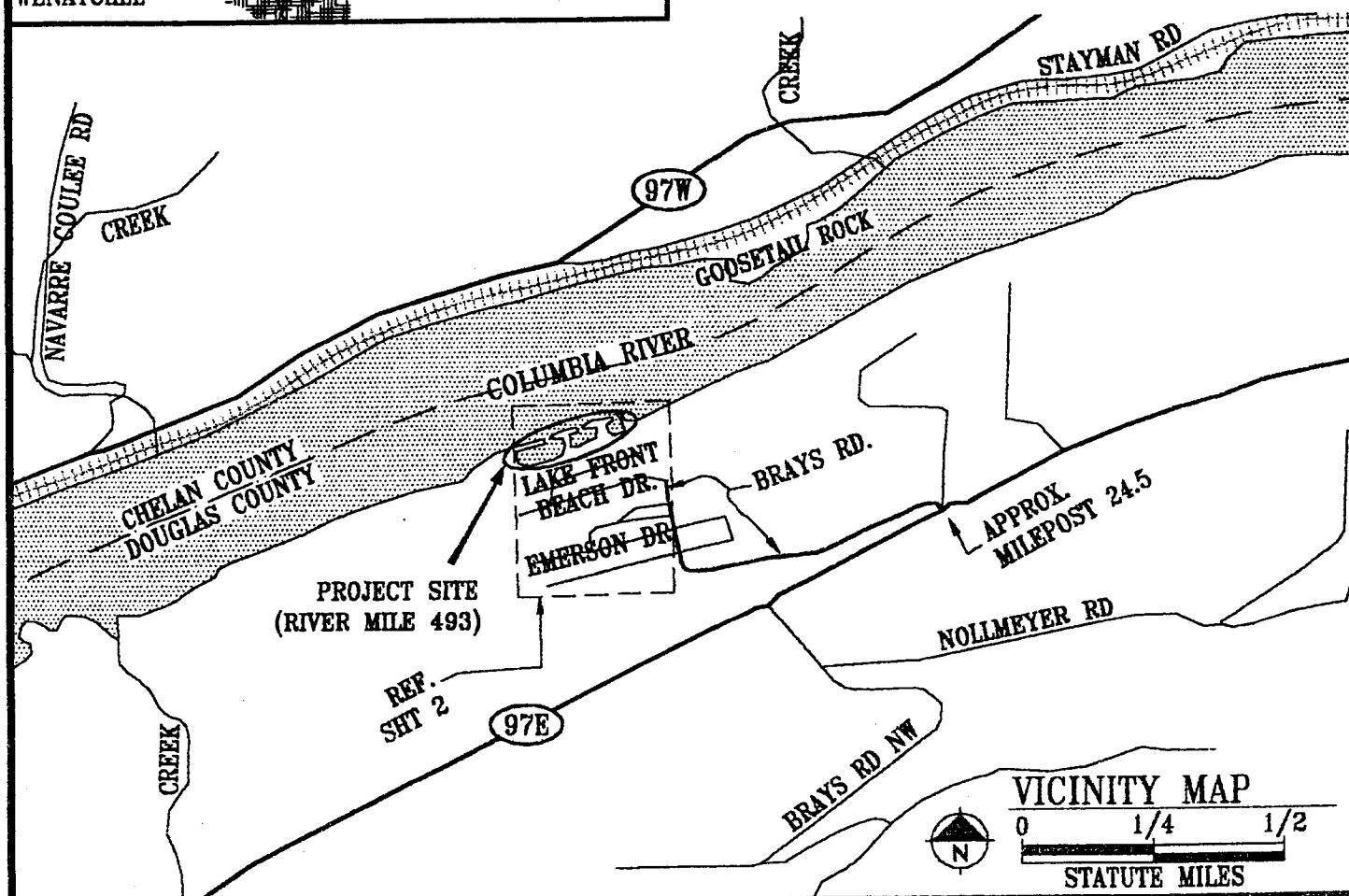
(Entiat Lodge Associated)
200301010

Encl
Drawings 17



REGIONAL MAP

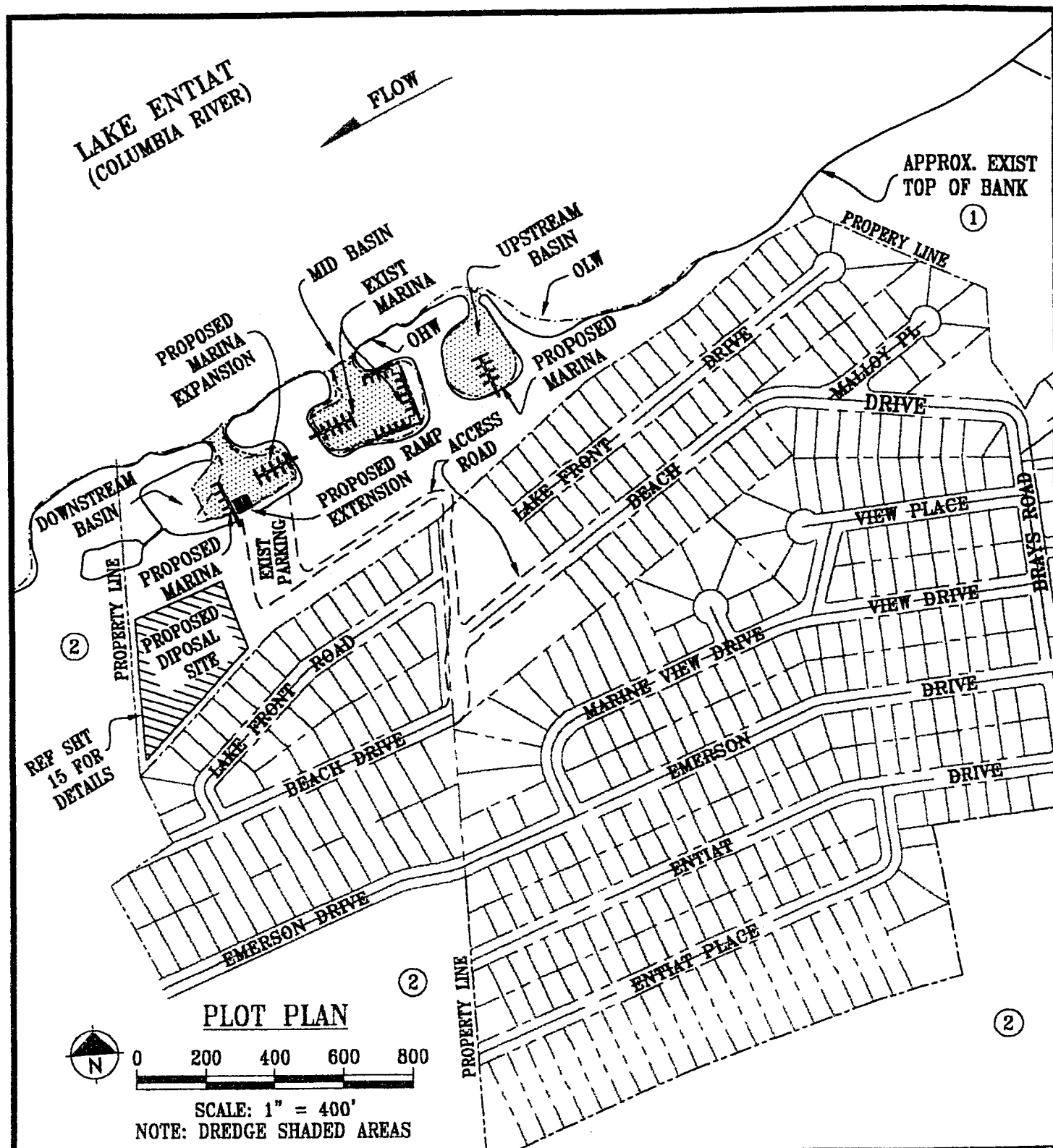
0 10 20 30 STATUTE MILES



NAME: Entiat Lodge Associated
 PURPOSE: Expand and maintain existing joint-use recreational facility
 DATUM: NGVD
 ADJACENT PROPERTY OWNERS
 1. Greater Wenatchee Irrigation District
 2. Chelan County PUD #1

PROJECT #:
 REFERENCE #: 2001-2-00764
 PROPOSED: Extend boat ramps; place temporary construction barrier; dredge boat basins; install, replace, expand floats; plant native vegetation.

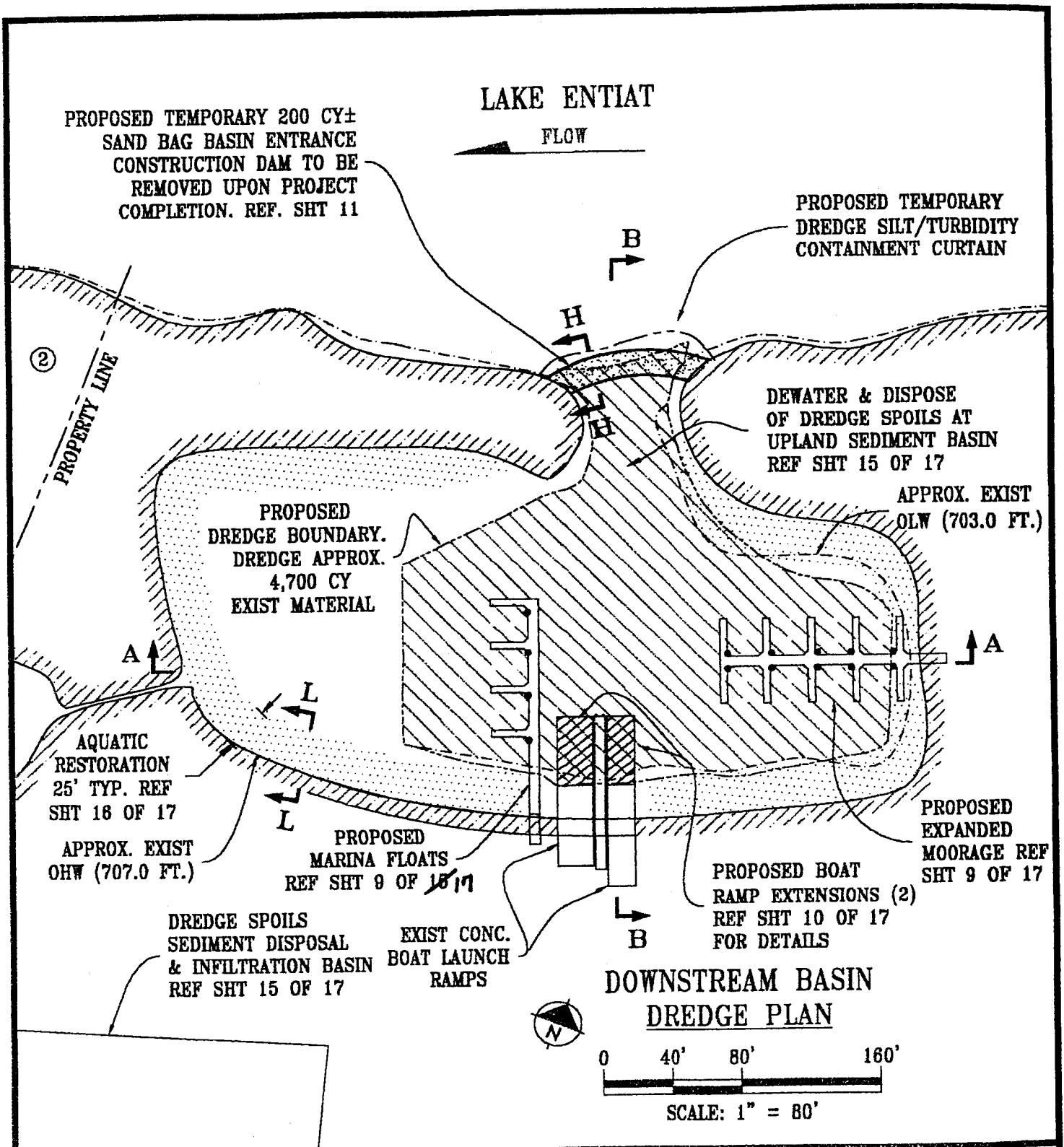
IN: Columbia River NEAR: Chelan
 COUNTY: Douglas
 SHEET 1 of 17 DATE: 9/26/2003



NAME: Entiat Lodge Associated
 PURPOSE: Expand and maintain existing joint-use recreational facility
 DATUM: NGVD

PROJECT #:
 REFERENCE #: 2001-00764
 IN: Lake Entiat, Columbia River NEAR: Orondo
 COUNTY: Douglas

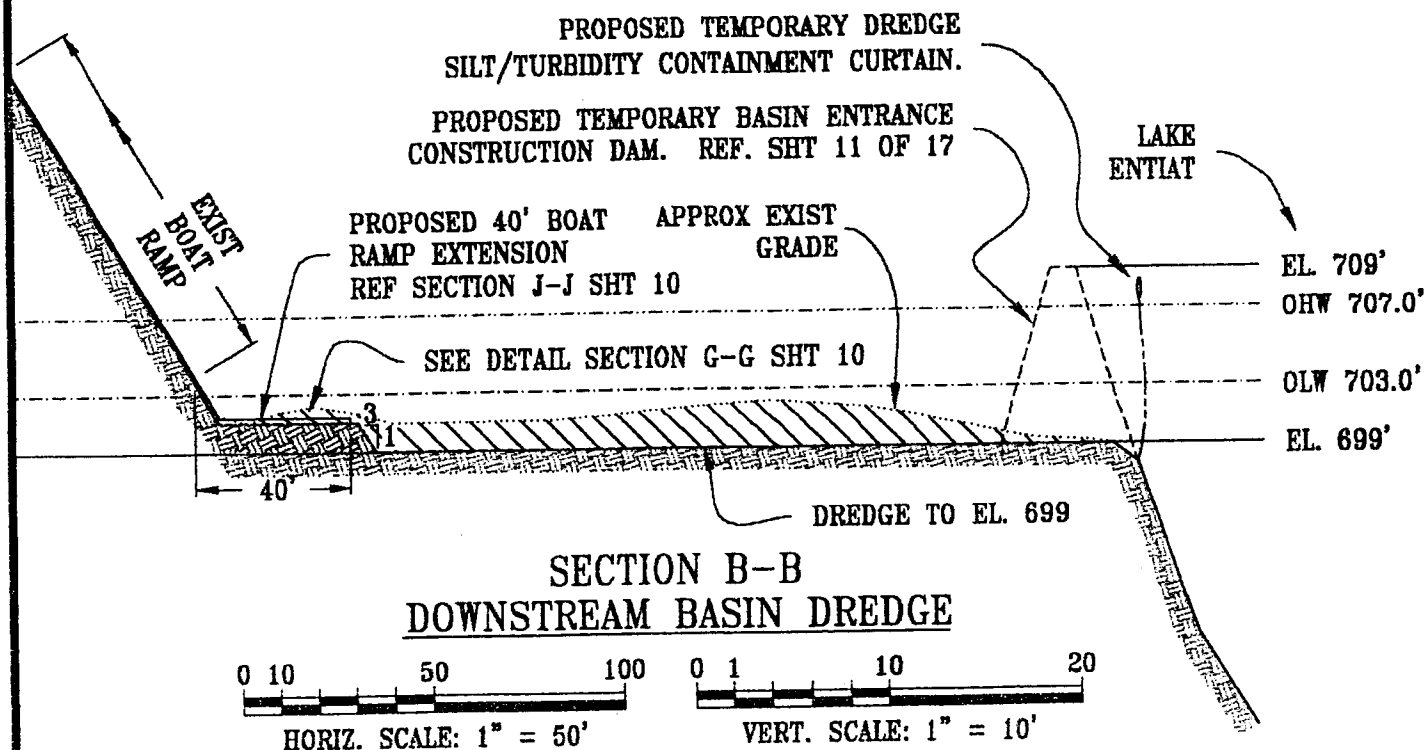
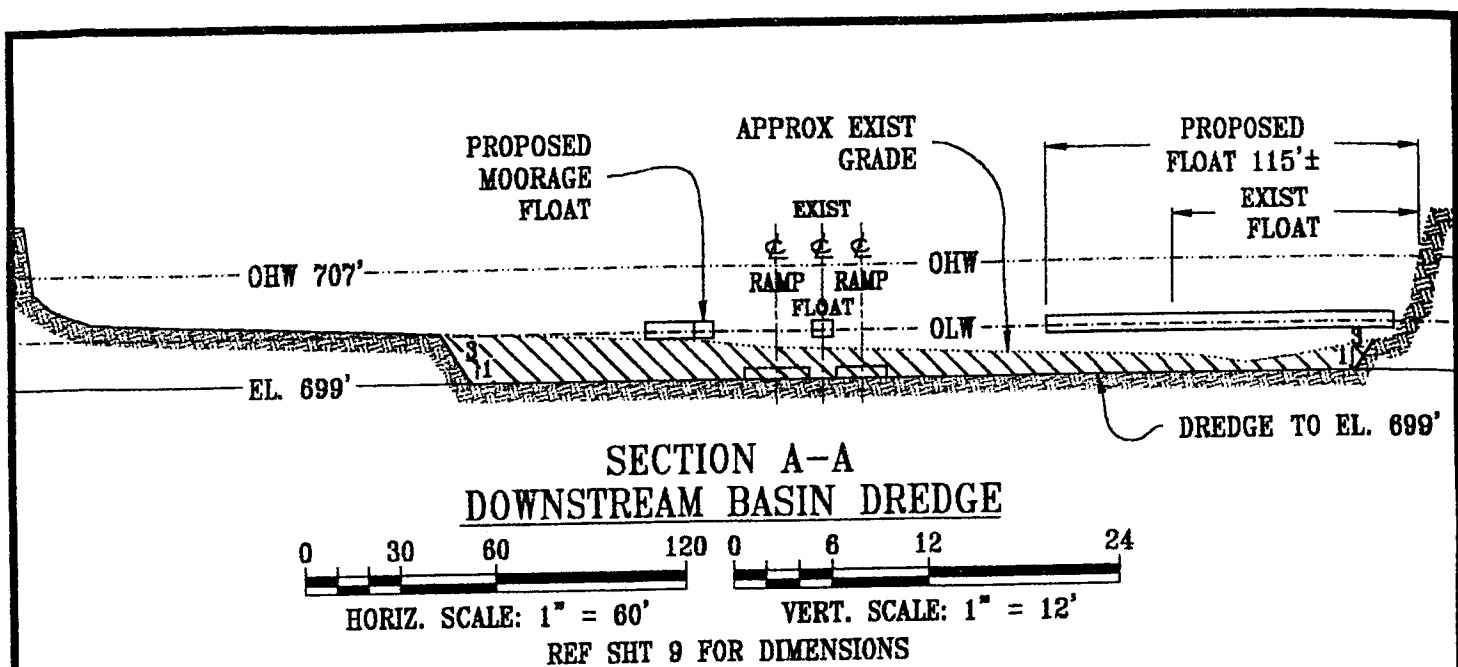
SHEET 2 OF 17 DATE: 9/26/2003



NAME: Entiat Lodge Associated
 PURPOSE: Expand and maintain existing joint-use
 recreational facility
 DATUM: NGVD

PROJECT #:
 REFERENCE #: 2001-00764
 IN: Lake Entiat, Columbia River NEAR: Orondo
 COUNTY: Douglas

SHEET 3 OF 17 DATE: 9/26/2003



NAME: Entiat Lodge Associated
 PURPOSE: Expand and maintain existing joint-use recreational facility
 DATUM: NGVD

PROJECT #:
 REFERENCE #: 2001-00764
 IN: Lake Entiat, Columbia River NEAR: Orondo
 COUNTY: Douglas

SHEET 4 OF 17 DATE: 9/26/2003

LAKE ENTIAT (COLUMBIA RIVER)

PROPOSED TEMPORARY 200 CY±
SAND BAG BASIN ENTRANCE
CONSTRUCTION DAM TO BE
REMOVED UPON PROJECT
COMPLETION. REF SHT 11

FLOW

PROPOSED DREDGE BOUNDARY.
DREDGE FROM FLOAT AND
EXIST SHORELINE APPROX.
3,100 CY EXIST MAT'L

APPROX. EXIST
OLW (703.0 FT.)

PROPOSED TEMPORARY
DREDGE SILT/TURBIDITY
CONTAINMENT CURTAIN

APPROX. EXIST
OHW (707.0 FT.)

UPSTREAM
BASIN

EXISTING
MOORGAGE

EXIST
PILES
TYP.

PROPOSED
DREDGE
BOUNDARY

EXIST
PILES
TYP.

APPROX. EXIST
OHW (707.0 FT.)

DEWATER & DISPOSE
OF DREDGE SPOILS AT
UPLAND SEDIMENT BASIN
REF SHT 15 OF 17

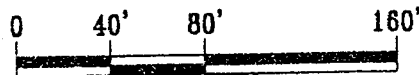
AQUATIC RESTORATION
±25' TYPICAL REF.
SHEET 16 OF 17

EXISTING
MOORGAGE

APPROX. EXIST
OLW (703.0 FT.)

DOWNSTREAM
BASIN

MID BASIN SITE PLAN

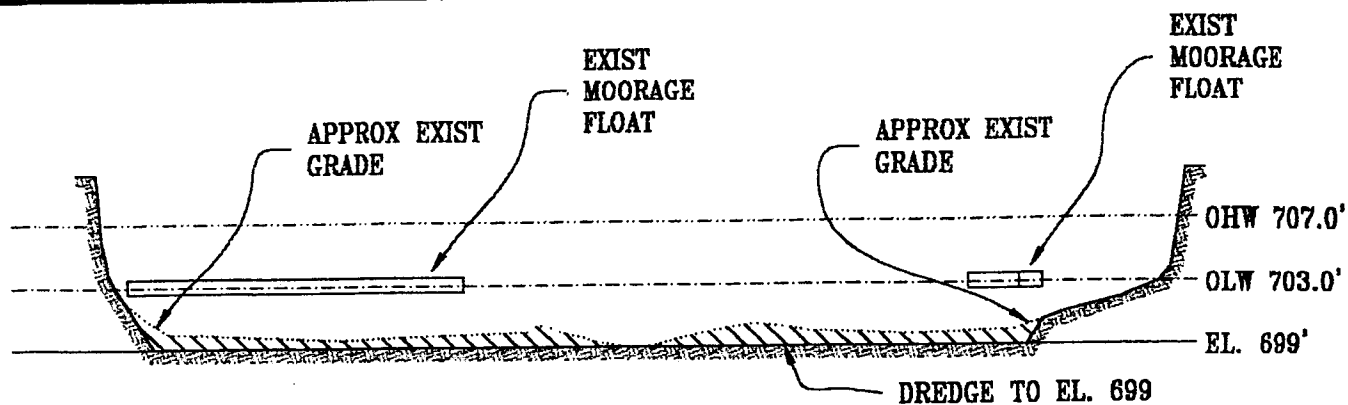


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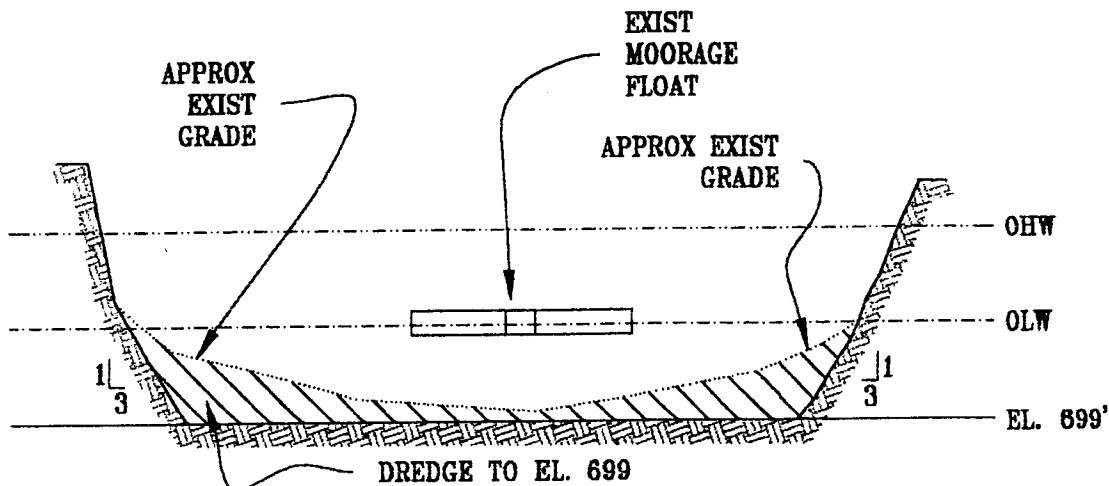
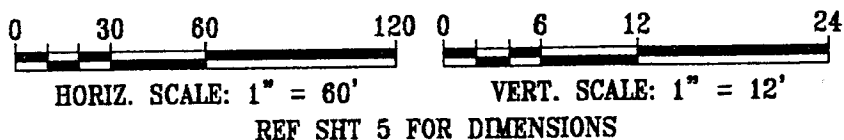
NAME: Entiat Lodge Associated
PURPOSE: Expand and maintain existing joint-use
recreational facility
DATUM: NGVD

PROJECT #:
REFERENCE #: 2001-00764
IN: Lake Entiat, Columbia River NEAR: Orondo
COUNTY: Douglas

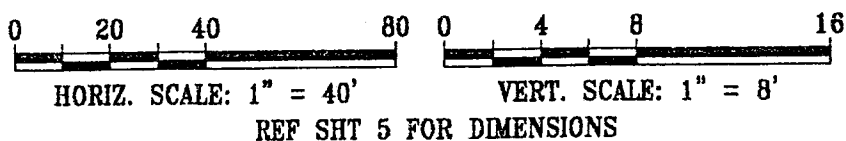
SHEET 5 OF 17 DATE: 9/26/2003



SECTION C-C MID BASIN DREDGE



SECTION D-D MID BASIN DREDGE



NAME: Entiat Lodge Associated
 PURPOSE: Expand and maintain existing joint-use recreational facility
 DATUM: NGVD

PROJECT #:
 REFERENCE #: 2001-00764
 IN: Lake Entiat, Columbia River NEAR: Orondo
 COUNTY: Douglas

SHEET 6 OF 17 DATE: 9/26/2003

LAKE ENTIAT
(COLUMBIA RIVER)
FLOW

PROPOSED TEMPORARY 200 CY±
SAND BAG BASIN ENTRANCE
CONSTRUCTION DAM TO BE
REMOVED UPON PROJECT
COMPLETION. REF SHT 11

REMOVE EXIST
SUBMERGED BOULDERS
AT ENTRANCE CHANNEL

PROPOSED TEMPORARY
DREDGE SILT/TURBIDITY
CONTAINMENT CURTAIN

APPROX. EXIST TOP OF BANK

AQUATIC RESTORATION
±25' TYPICAL. REF.
SHEET 16 OF 17

APPROX. EXIST
OLW (703.0 FT.)

PROPOSED TOE
OF DREDGE BASIN

DEWATER & DISPOSE
OF DREDGE SPOILS AT
UPLAND SEDIMENT BASIN
REF SHT 15 OF 17

MID
BASIN

PILES
TYP.

APPROX. EXIST
OHW (707.0 FT.)

PROPOSED DREDGE
BOUNDARY. DREDGE APPROX.
9,000 CY OF EXIST MAT'L

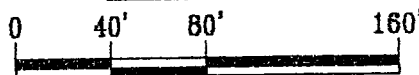
SIM TO K-K SHT 11

PROPOSED
MARINA
FLOATS

EXIST SHORELINE
VEGETATION TO
REMAIN TYP.

EXIST
MARINA

UPSTREAM BASIN
SITE PLAN

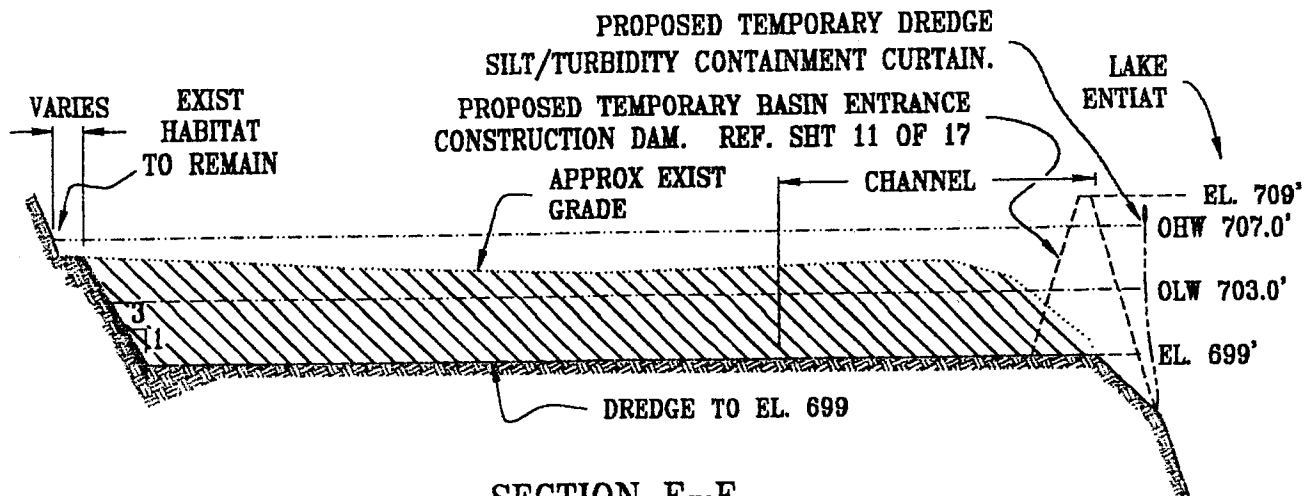


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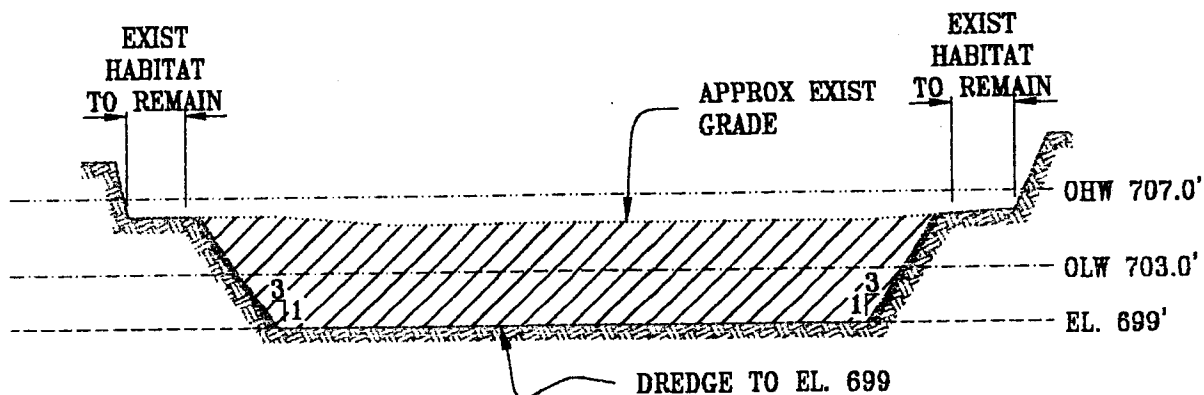
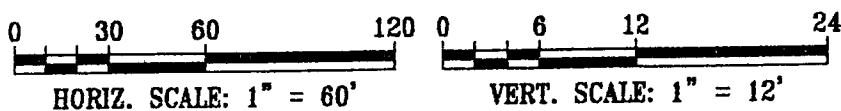
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PURPOSE: Expand and maintain existing joint-use
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DATUM: NGVD

PROJECT #:
REFERENCE #: 2001-00764
IN: Lake Entiat, Columbia River NEAR: Orondo
COUNTY: Douglas

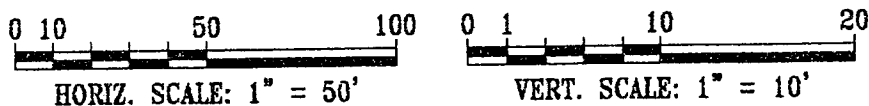
SHEET 7 OF 17 DATE: 9/26/2003



SECTION E-E UPSTREAM BASIN DREDGE



SECTION F-F UPSTREAM BASIN DREDGE



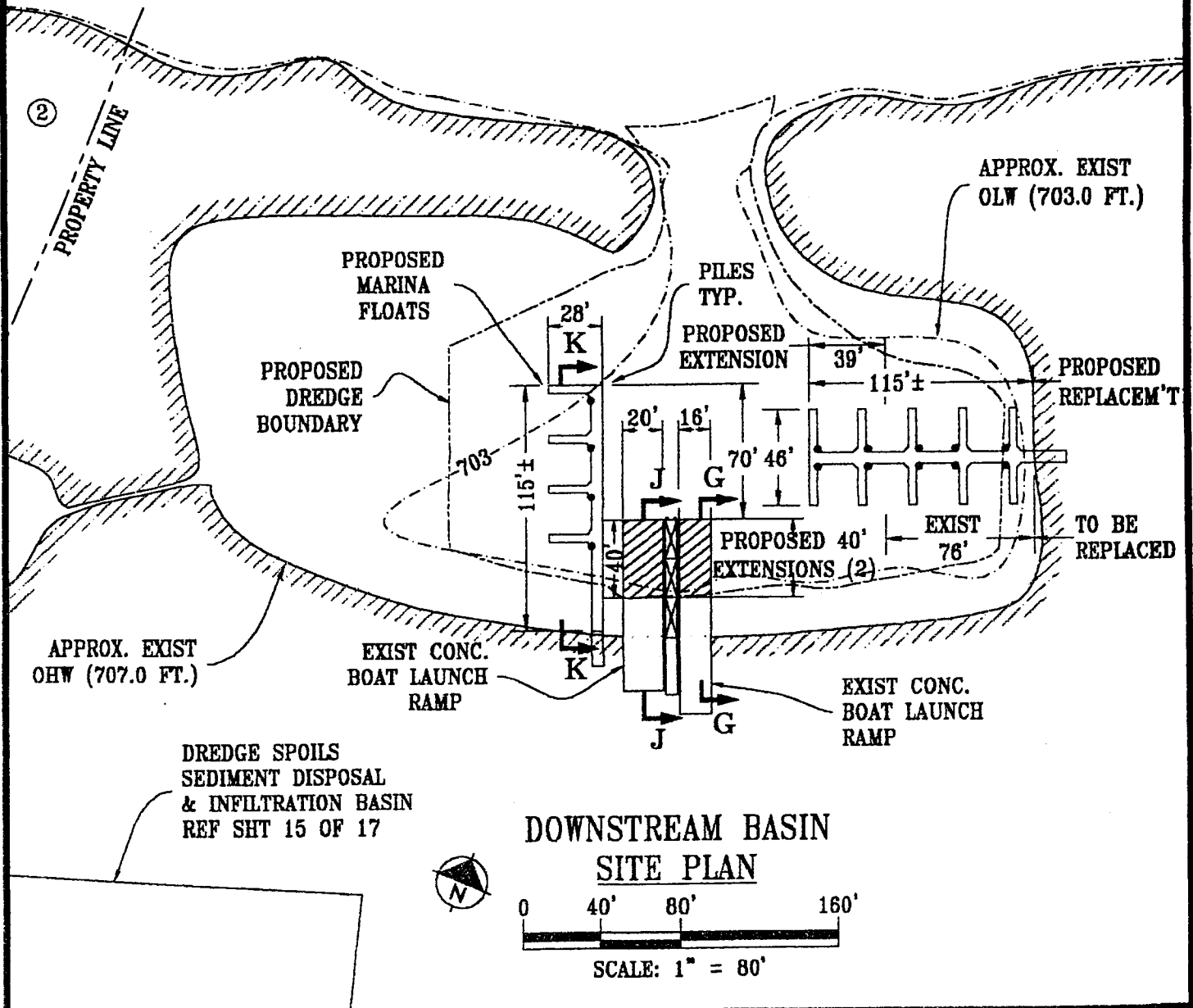
NAME: Entiat Lodge Associated
PURPOSE: Expand and maintain existing joint-use
recreational facility
DATUM: NGVD

PROJECT #:
REFERENCE #: 2001-00764
IN: Lake Entiat, Columbia River NEAR: Orondo
COUNTY: Douglas

SHEET 8 OF 17 DATE: 9/26/2003

LAKE ENTIAT (COLUMBIA RIVER)

FLOW

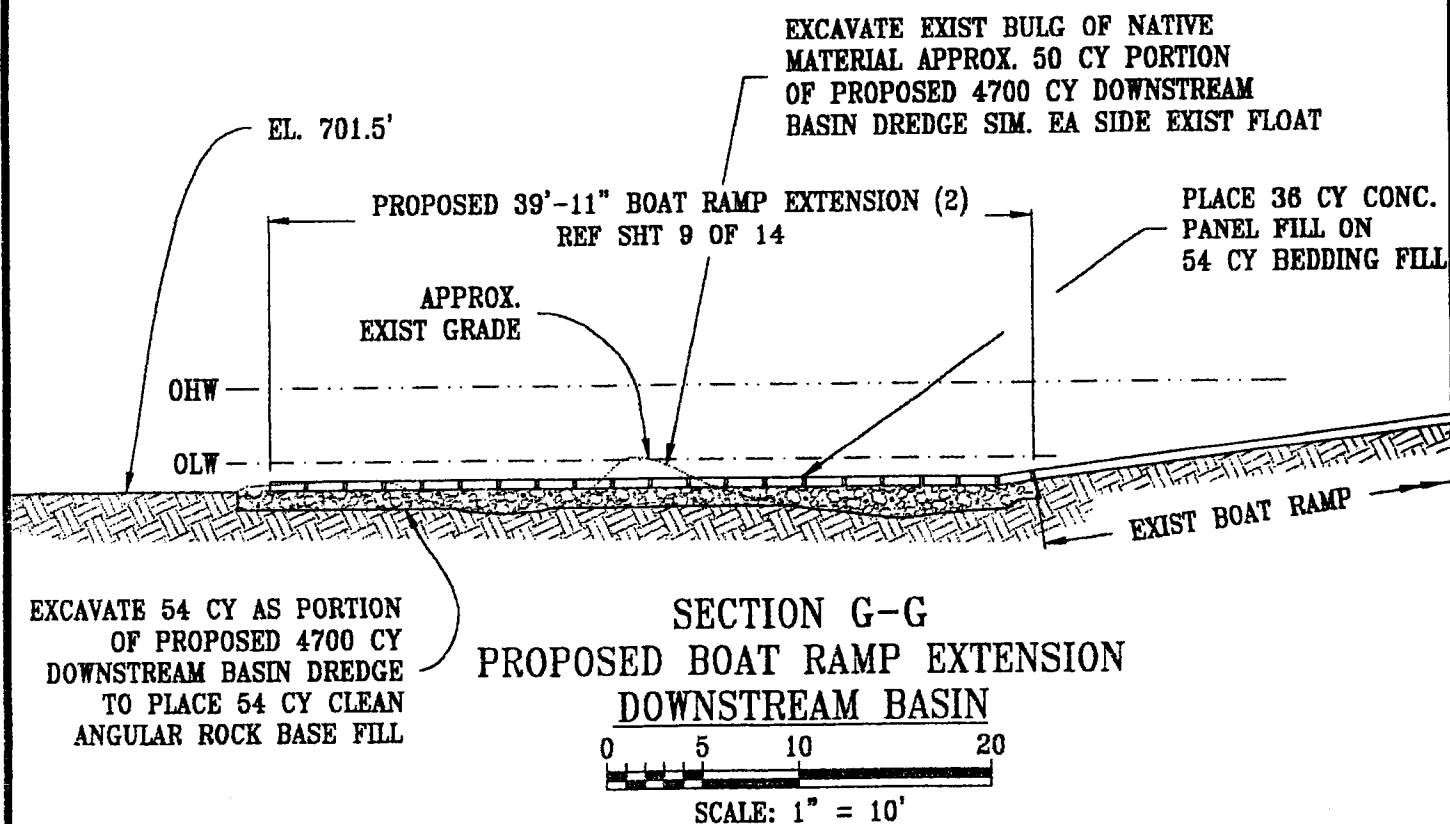
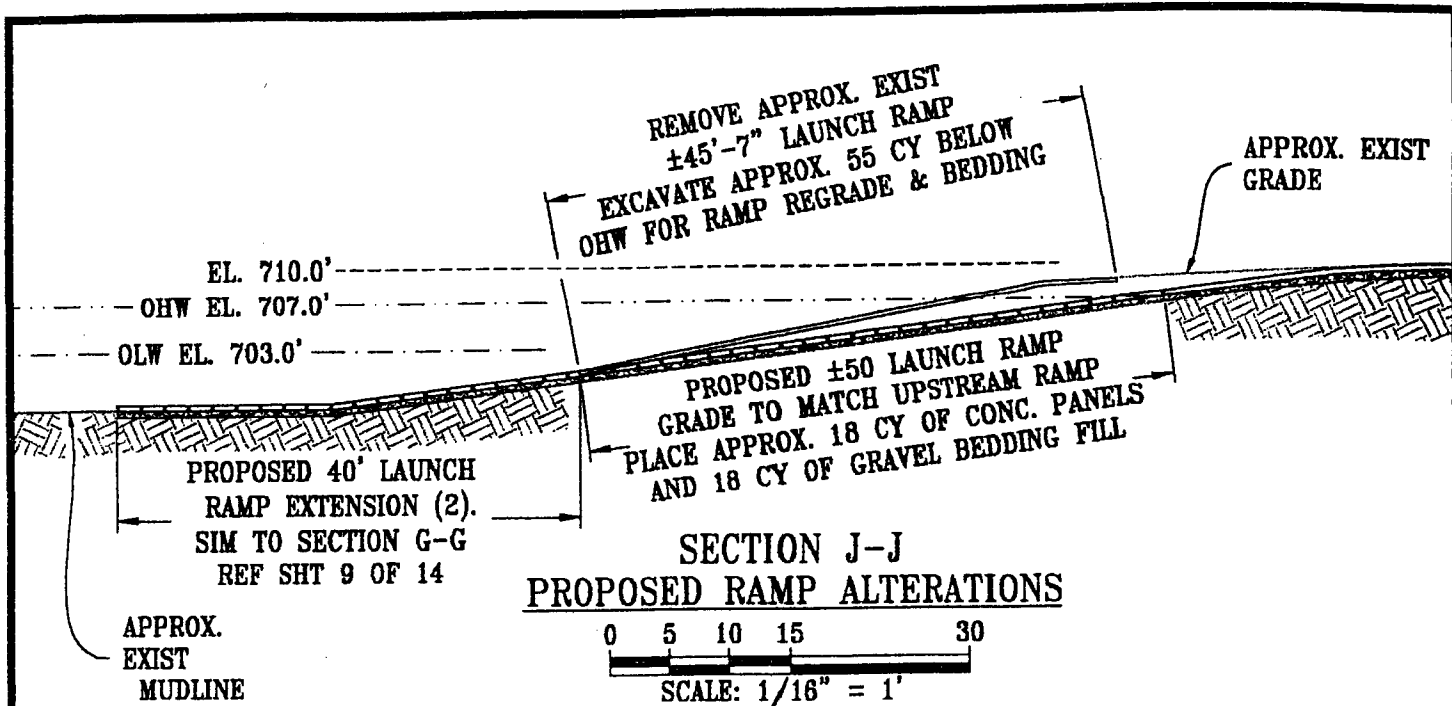


DOWNSTREAM BASIN SITE PLAN

NAME: Entiat Lodge Associated
PURPOSE: Expand and maintain existing joint-use recreational facility
DATUM: NGVD

PROJECT #:
REFERENCE #: 2001-00764
IN: Lake Entiat, Columbia River NEAR: Orondo
COUNTY: Douglas

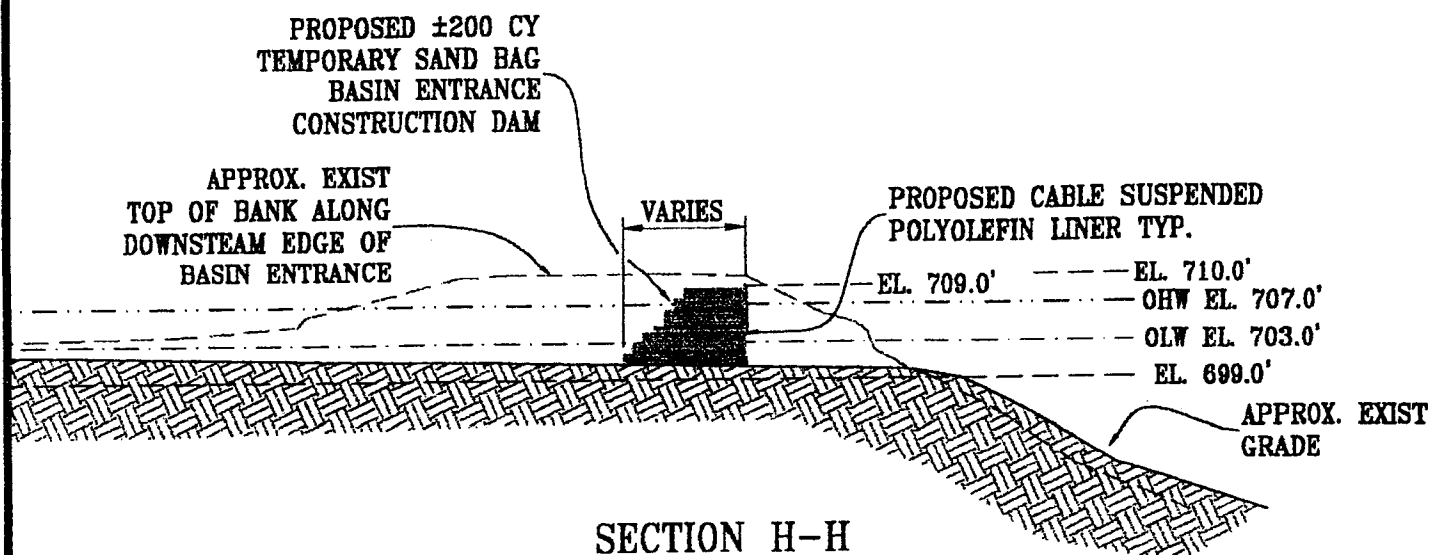
SHEET 9 OF 17 DATE: 9/26/2003



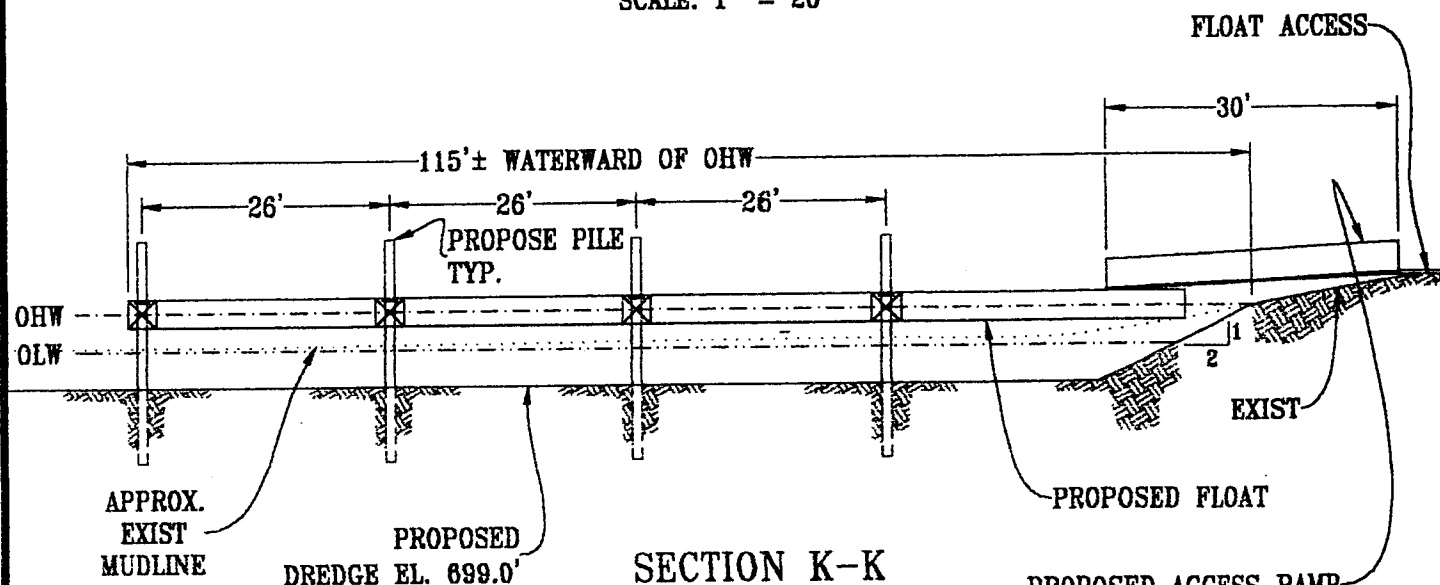
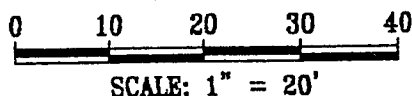
NAME: Entiat Lodge Associated
PURPOSE: Expand and maintain existing joint-use recreational facility
DATUM: NGVD

PROJECT #:
REFERENCE #: 2001-00764
IN: Lake Entiat, Columbia River NEAR: Orondo
COUNTY: Douglas

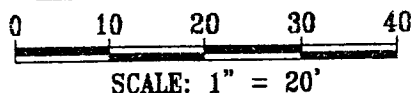
SHEET 10 OF 17 DATE: 9/26/2003



SECTION H-H
PROPOSED TEMORYARY BASIN
ENTRANCE CONSTRUCTION DAM



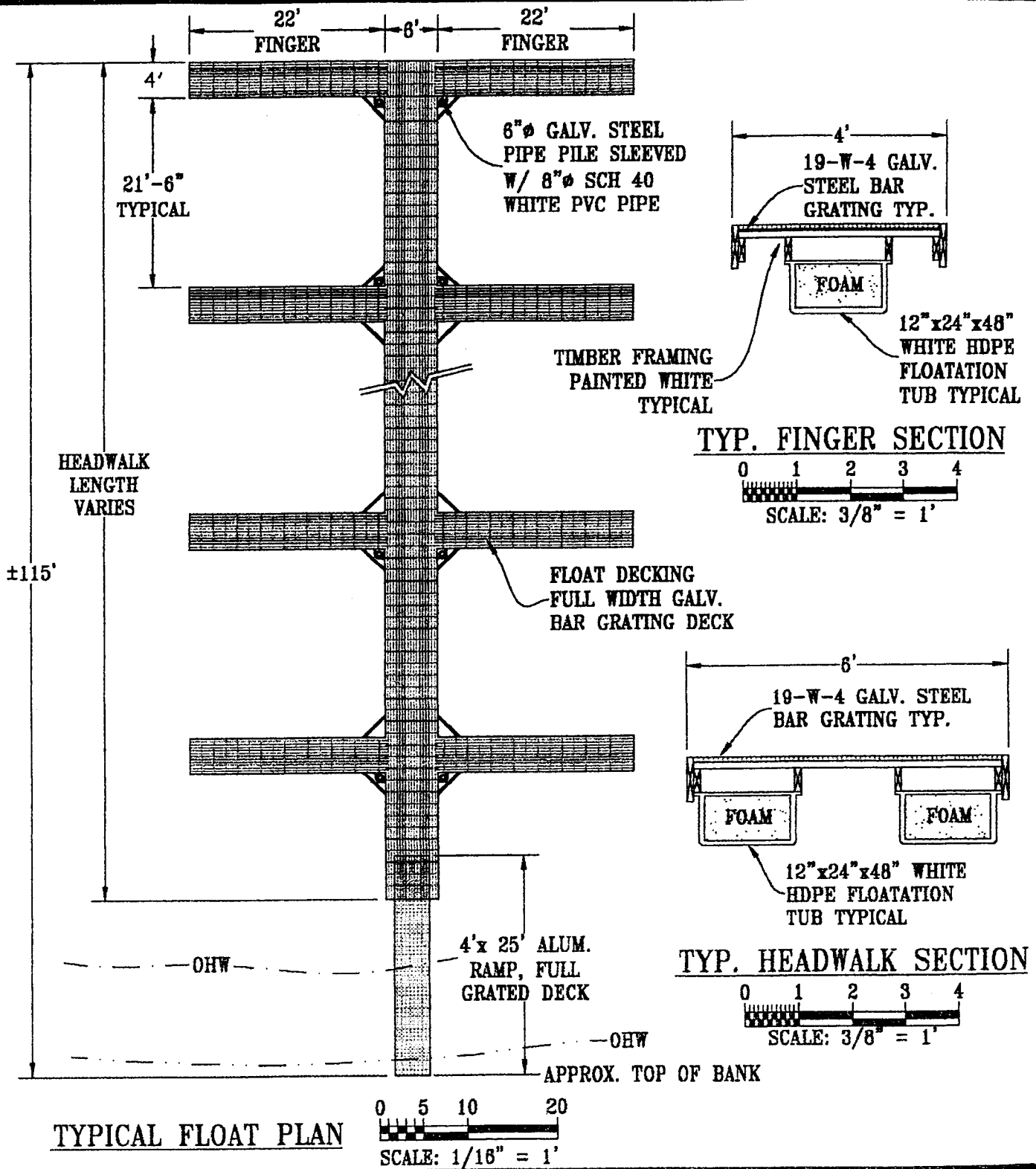
SECTION K-K
SECTION THROUGH
PROPOSED MARINA



NAME: Entiat Lodge Associated
PURPOSE: Expand and maintain existing joint-use recreational facility
DATUM: NGVD

PROJECT #:
REFERENCE #: 2001-00764
IN: Lake Entiat, Columbia River NEAR: Orondo
COUNTY: Douglas

SHEET 11 OF 17 DATE: 9/26/2003



NAME: Entiat Lodge Associated
 PURPOSE: Expand and Maintain existing joint-us recreational facility
 DATUM: NGVD

PROJECT #:
 REFERENCE #: 2001-00764
 IN: Lake Entiat, Columbia River NEAR: Orondo
 COUNTY: Douglas

SHEET 12 OF 17 DATE: 9/26/2003

LEGEND

TREES & SHRUBS

- 1 DOUGLAS MAPLE
- 2c COYOTE WILLOW
- 2s SITKA WILLOW
- 4 MOUNTAIN ALDER
- 5 SNOWBERRY
- 6 NOOTKA ROSE
- 7 TALL OREGON GRAPE
- OAKLEAF SUMAC

LAKE ENTIAT
(COLUMBIA RIVER)

FLOW

REF SHT 17 FOR
COMPLETE SPECIES
INFORMATION

APPROX. EXIST
POPLAR TREE

APPROX. EXIST
OLW EL. 707'

DOWNSTREAM BASIN

MID BASIN

RIPARIAN RESTORATION PLANTING PLAN (DOWNSTREAM PENINSULA)



0 10 60 120

SCALE: 1" = 60'

LAKE ENTIAT
(COLUMBIA RIVER)

FLOW

±350'

B

±15' TYP.

±67' TYP.

A

APPROX. EXIST
POPLAR TREE

APPROX.
EXIST OLW
EL. 707'

DOWNSTREAM BASIN

MID BASIN

RIPARIAN RESTORATION PLANTING PLOT (DOWNSTREAM PENINSULA)



0 10 60 120

SCALE: 1" = 60'

NAME: Entiat Lodge Associated
PURPOSE: Expand and maintain existing joint-use
recreational facility
DATUM: NGVD

PROJECT #:
REFERENCE #: 2001-00764
IN: Lake Entiat, Columbia River NEAR: Orondo
COUNTY: Douglas

SHEET 13 OF 17 DATE: 9/26/2003

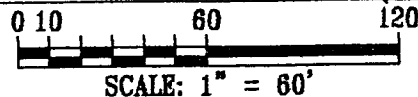
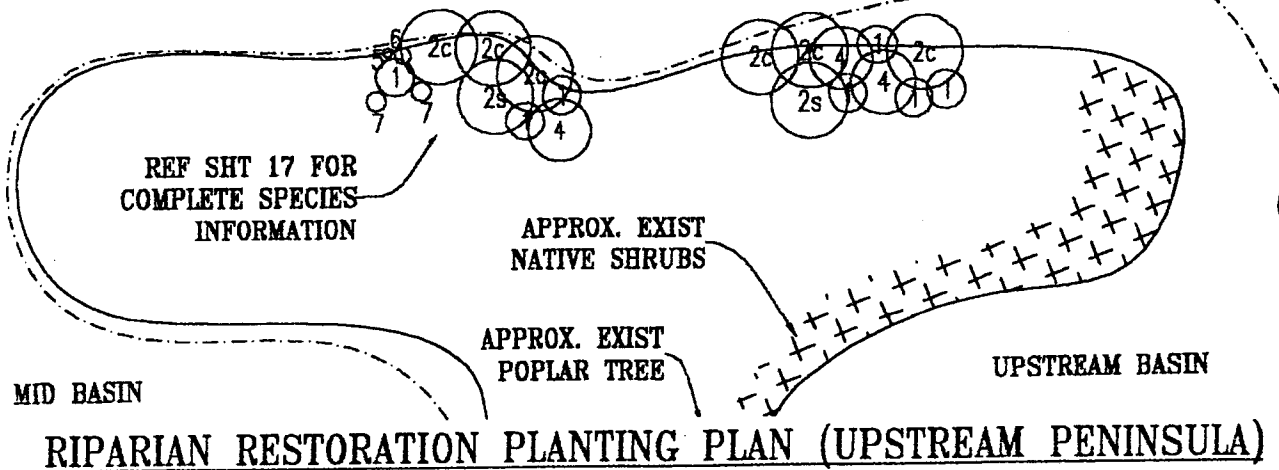
LEGEND

TREES	SHRUBS
1 DOUGLAS MAPLE	5 SNOWBERRY
2c COYOTE WILLOW	6 NOOTKA ROSE
2s SITKA WILLOW	7 TALL OREGON GRAPE
4 MOUNTAIN ALDER	OAKLEAF SUMAC

**LAKE ENTIAT
(COLUMBIA RIVER)**

FLOW

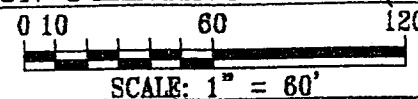
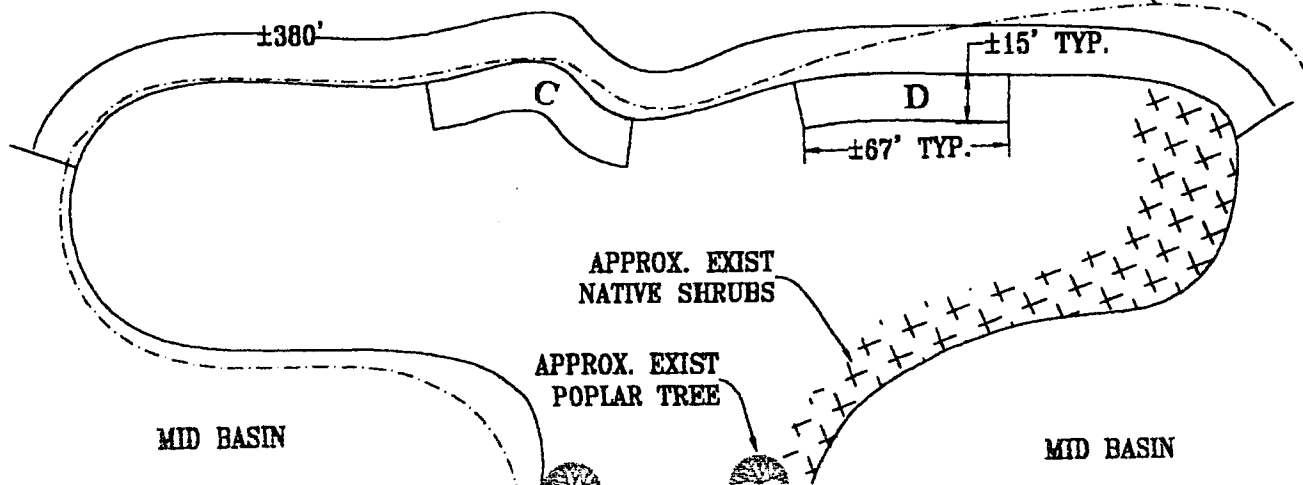
APPROX. EXIST
OLW EL. 707'



**LAKE ENTIAT
(COLUMBIA RIVER)**

FLOW

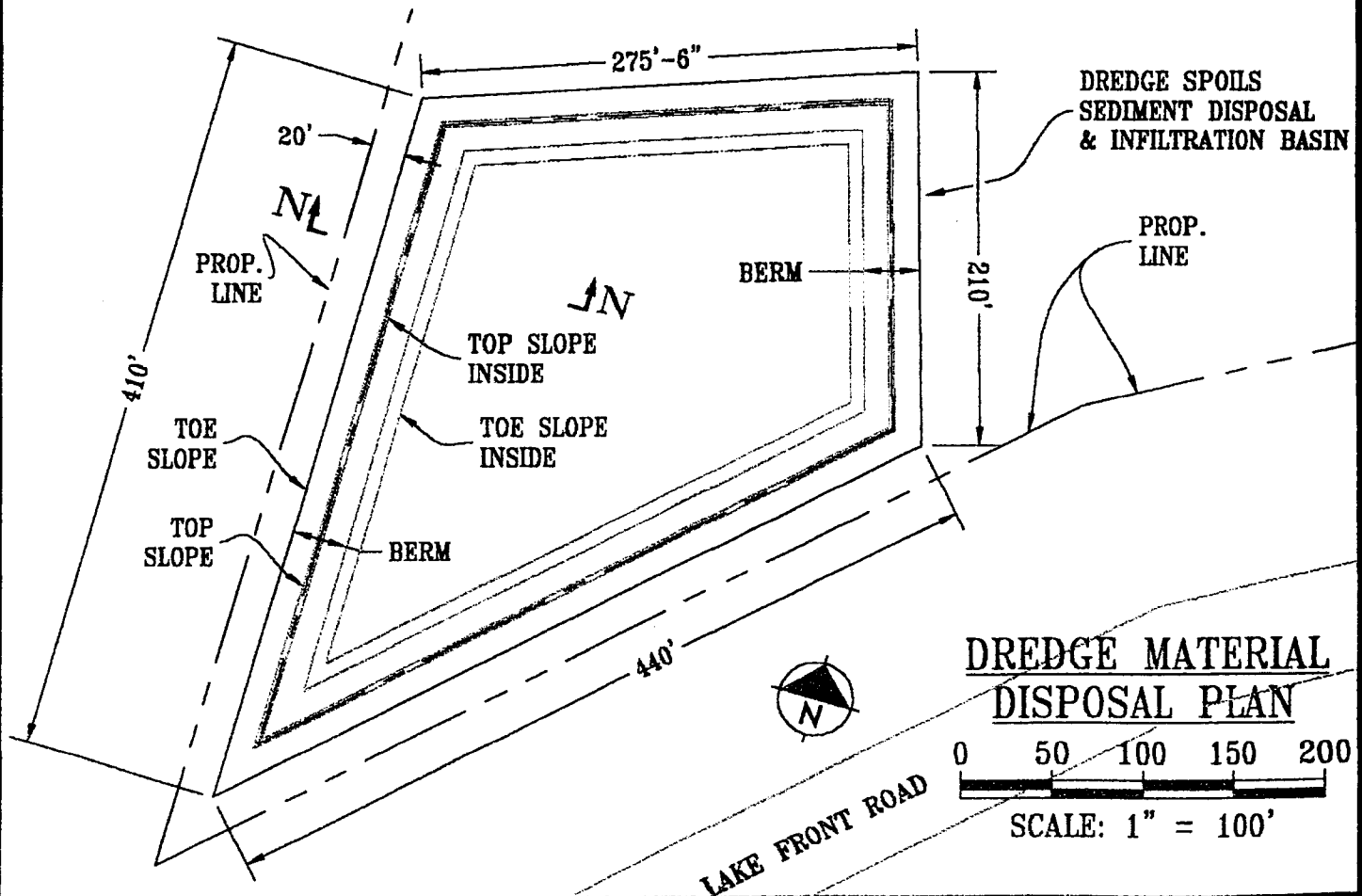
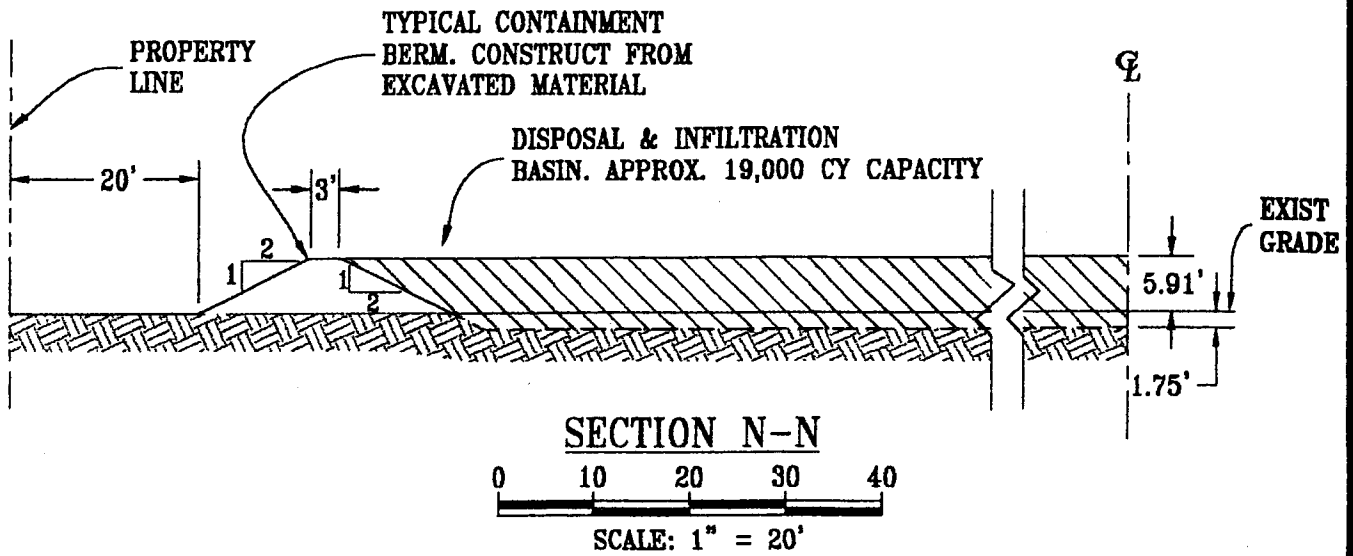
APPROX. EXIST
OLW EL. 707'



NAME: Entiat Lodge Associated
PURPOSE: Expand and maintain existing joint-use recreational facility
DATUM: NGVD

PROJECT #:
REFERENCE #: 2001-00764
IN: Lake Entiat, Columbia River NEAR: Orondo
COUNTY: Douglas

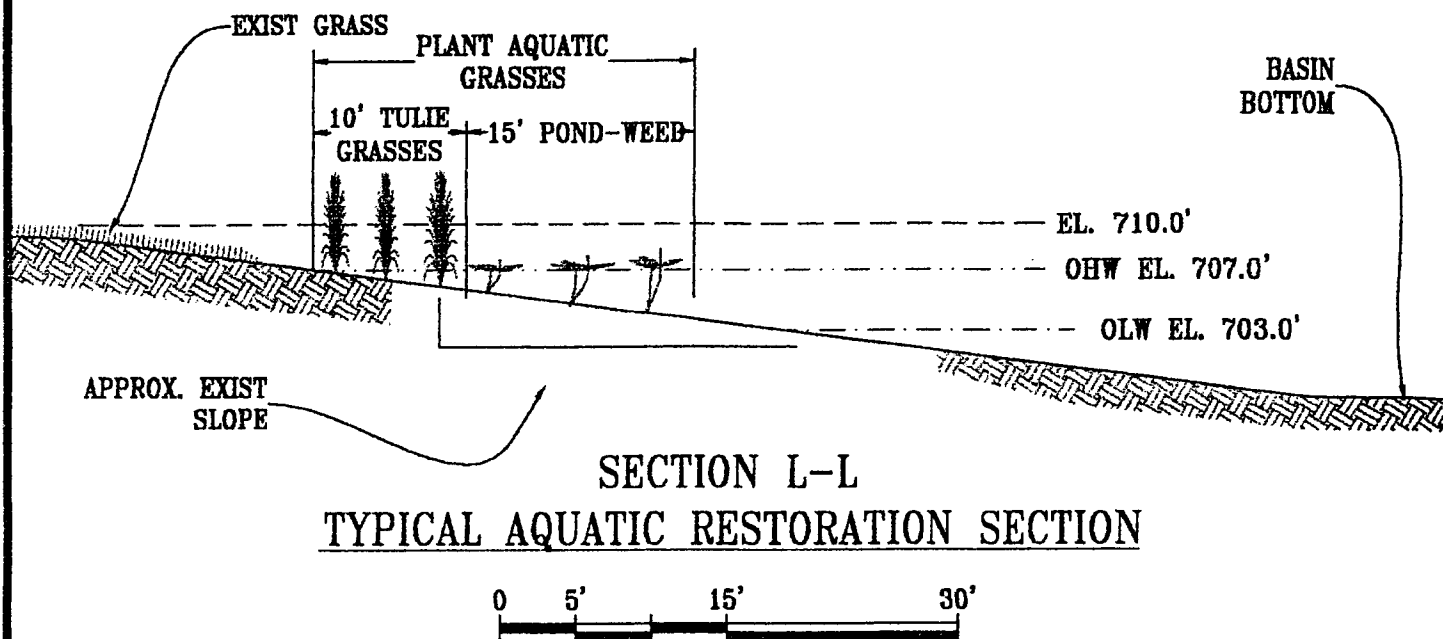
SHEET 14 OF 17 DATE: 9/26/2003



NAME: Entiat Lodge Associated
 PURPOSE: Expand and maintain existing joint-use recreational facility
 DATUM: NGVD

PROJECT #:
 REFERENCE #: 2001-00764
 IN: Lake Entiat, Columbia River NEAR: Orondo
 COUNTY: Douglas

SHEET 15 OF 17 DATE: 9/26/2003



AQUATIC PLANT SPECIES

Species	Common Name(s)	Alternative Species	Alternative Common Name(s)	Plant Spacing
<i>Potamogeton</i> sp.	Pondweed	(1)		No greater than 5' on center, no fewer than 60 plants per 1,000 square feet
<i>Scirpus</i> sp.	Bulrush/Tule	(1)		No greater than 5' on center, no fewer than 60 plants per 1,000 square feet
<i>Brasenia</i> sp.	Watershield	(1)		No greater than 5' on center, no fewer than 60 plants per 1,000 square feet

(1) If specified species are unavailable, the owner will seek advice of a Certified Fisheries Professional to determine what species with similar beneficial characteristics are available.

(2) Care will be taken to not allow the collection of these plants to bring non-native milfoil into the basins. The plants will be thoroughly inspected to remove any leaves or branches from nuisance plants. The exact location of the placement of the plants will be dependent on the substrate that is exposed when the basins are dewatered.

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PURPOSE: Expand and maintain existing joint-use recreational facility
DATUM: NGVD

PROJECT #:
REFERENCE #: 2001-00764
IN: Lake Entiat, Columbia River NEAR: Orondo
COUNTY: Douglas

SHEET 16 OF 17 DATE: 9/26/2003

**RIPARIAN PLANTINGS
PLANT SPECIES TO BE USED
FOR
LAKE ENTIAT ESTATES
(USACE 2001-2-00764)**

Tree Species	Common Name(s)	Optimal Growing Conditions	Dimensions	Plant Type	Rate of Growth	Benefits to Environment and Ecosystem
<i>Alnus incana</i>	Speckled alder, Grey alder, Hazel Alder, etc.	Best in full sun Wet to moist soil	12-20' tall	Deciduous tree	Fast	Creates soil debris for soil organisms. Provides good cover for fish. Birds use for cover and nesting, and feed on its seeds, buds, and associated insects. Mammals eat leaves, twigs, or wood. Swallowtail and other butterfly larvae eat leaves.
<i>Salix exigua</i>	Coyote willow	Full sun Wet to moist soil	Up to 26' tall	Deciduous tree	Fast	Controls erosion. Improves water quality. Provides forage and cover for fish, birds, mammals, and for butterflies in both larval and adult stages.
<i>Salix sitchensis</i>	Sitka willow	Full sun Wet to moist soil	3-25' tall	Deciduous tree	Fast	Controls erosion. Improves water quality. Provides forage and cover for fish, birds, mammals, and for butterflies in both larval and adult stages.
<i>Betula sp.</i>	Birch	Full sun Wet to moist soil	30-50' tall	Deciduous tree	Fast	Bark used as nesting material for birds and small mammals. Birds eat seeds. Mammals eat leaves, twigs, and/or wood. Mourning cloak and swallowtail butterfly larvae eat leaves.
<i>Cornus stolonifera</i>	Red-osier dogwood	Part shade to full shade Wet soil	5-15' tall	Deciduous tree	Fast	Butterflies and hummingbirds use nectar from flowers. Birds eat fruit.
Shrub Species	Common Name(s)	Optimal Growing Conditions	Dimensions	Plant Type	Rate of Growth	Benefits to Environment and Ecosystem
<i>Betula glandulosa</i>	Bog birch	Full sun Wet to moist soil	6-10' tall, 6' wide	Deciduous shrub	Fast	Birds eat seeds and insects from shrub. Mammals eat woody parts. Butterfly larvae eat leaves.
<i>Potentilla fruticosa</i>	Potentilla, Shrubby cinquefoil	Full sun Needs good drainage	1-3' tall and wide	Deciduous shrub	Fast	Drought tolerant. Provides nectar for adult butterflies and food for butterfly larvae. Birds eat seeds.
<i>Purshia tridentata</i>	Bitterbrush, Antelope bush	Full sun Moist to dry soil Needs good drainage	3-6' tall and wide	Deciduous shrub	Slow	Pioneer species on harsh sites -- retains soil and deposits organic material, in some locations it also fixes nitrogen in the soil. Drought tolerant. Leaves, buds, and small twigs eaten by deer and other small mammals. Cover for songbirds. Butterfly adults feed on nectar.

Note: Information in tables from --

Link, Russel, Landscaping for Wildlife in the Pacific Northwest, University of Washington Press, 1999.
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NAME: Entiat Lodge Associated
 PURPOSE: Expand and maintain existing joint-use recreational facility
 DATUM: NGVD

PROJECT #:
 REFERENCE #: 2001-00764
 IN: Lake Entiat, Columbia River NEAR: Orondo
 COUNTY: Douglas

SHEET 17 OF 17 DATE: 9/26/2003